Product datasheet





Circuit breaker, EasyPact MVS, 3 Poles, 1000A, 50kA, EF, ET6, fixed, electrical

MVS10N3NF6L

Main

Range	EasyPact	
Product name	MVS10N	
Device short name	MVS10N	
Product or component type	Circuit breaker	
Device application	Distribution	
poles description	3P	
Protected poles description	3P 3d	
[In] rated current	1000 A at 40 °C	
network type	AC	
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2	
Breaking capacity code	N	
Suitability for isolation	Yes conforming to IEC 60947-2	
Utilisation category	Category B	
Trip unit name	ET6G	
Trip unit technology	Electronic	
Trip unit rating	1000 A	

Complementary

Network frequency	50/60 Hz	
Control type	Electrically operated	
Mounting mode	Fixed	
Mounting support	Rail Base plate	
Connection position	Vertical Horizontal	
Location of connection	Rear	
[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2	
[Uimp] rated impulse withstand voltage	12 kV conforming to IEC 60947-2	
circuit breaker CT rating	1000 A	
Breaking capacity	50 kA Icu at 220440 V AC 50/60 Hz conforming to IEC 60947-2	
[Ics] rated service breaking capacity	50 kA (lcs) at 220440 V AC 50/60 Hz conforming to IEC 60947-2	

Mechanical durability	20000 cycles (with maintenance) conforming to IEC 60947-2 10000 cycles (without maintenance) conforming to IEC 60947-2
Electrical durability	Category B: 6000 cycles 440 V AC 50/60 Hz without maintenance conforming to IEC
	60947-2 Category B: 4000 cycles 690 V AC 50/60 Hz without maintenance conforming to IEC
	60947-2
Connection pitch	115 mm without spreader
Contact position indicator	Yes
[Icm] rated short-circuit making capacity	105 kA (Icm) at 220440 V AC 50/60 Hz conforming to IEC 60947-2
[lcw] rated short-time withstand	50 kA (1 s) at 220440 V AC 50/60 Hz conforming to IEC 60947-2
current	42 kA (1 s) at 690 V AC 50/60 Hz conforming to IEC 60947-2 25 kA (3 s) at 440/690 V AC 50/60 Hz conforming to IEC 60947-2
Trip unit protection functions	LSIG
Protection type	Instantaneous short-circuit protection
Trottodion type	Overload protection (long time)
	Earth fault Short time short-circuit protection
Front to die at	
Fault indication	Short-circuit Internal fault
	Overload
	Earth fault
Long time pick-up adjustment type Ir	Adjustable 9 settings
Long time pick-up adjustment range	0.41 x ln
Long time delay adjustment type	Adjustable 9 settings
[tr] long-time delay adjustment range	0.524 s at 6 x lr
Short-time pick-up adjustment type Isd	Adjustable 9 settings
[Isd] short-time pick-up adjustment range	1.510 x lr
Short-time delay adjustment type	Adjustable 5 settings
[tsd] short-time delay adjustment range	100400 ms
Instantaneous pick-up adjustment type li	Adjustable 9 settings
instantaneous pick-up adjustment range	Off
	215 x ln
ground-fault pick-up adjustment type	Adjustable 9 settings
ground-fault time delay adjustment type -tg	Adjustable 5 settings
[tg] ground-fault time delay adjustment range	100400 ms
[lg] ground-fault pick-up adjustment range	0.21 x ln
Zone selective interlocking ZSI	With
Current sensor rating range	400/2000 A
Maximum breaking time	25 ms
Maximum closing response time	70 ms
Height	352 mm
Width	422 mm
Depth	297 mm
Net weight	40 kg

Environment

IEC 60947-2	
CCS	
CCC	
IEC	
GOST	
4 conforming to IEC 60664-1	
IP40	
-570 °C	
-4085 °C without control unit	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	42.0 cm
Package 1 Width	35.0 cm
Package 1 Length	50.0 cm
Package 1 Weight	38.0 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

	Mercury Free	
⊘	Rohs Exemption Information	Yes
②	Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information